

## COMPOSITIONS COMPRISING HYDROXYAPATITE USEFUL FOR THE ADMINISTRATION OF THERAPEUTIC AGENTS

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**Inventor:** SPRINGATE CHRIS (CA); JACKSON JOHN K (CA); WONG WESLEY (CA); BURT HELEN M (CA)

**Applicant:** UNIV BRITISH COLUMBIA (CA); ARC PHARMACEUTICALS INC (CA); SPRINGATE CHRIS (CA); JACKSON JOHN K (CA); WONG WESLEY (CA); BURT HELEN M (CA)

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**Cited documents:**

WO0141821  
WO02085330  
XP002228530  
XP000960695  
XP000960694  
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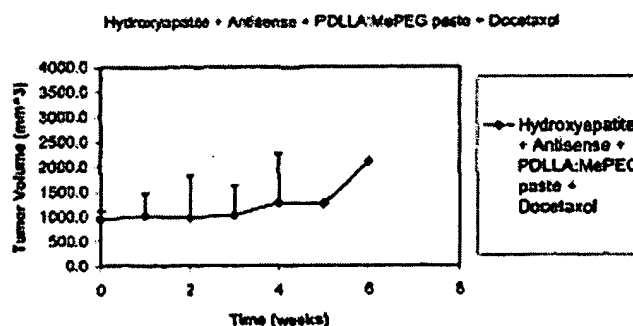
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### Abstract of WO03030943

Compositions and methods for in vivo delivery of pharmaceutically active agents associated with hydroxyapatite HAP. Compositions comprising a pharmacologically active agent and HAP in a pharmaceutically acceptable carrier, the composition providing controlled release of the pharmacologically active agent when introduced into the body. The pharmaceutically acceptable carrier can be a polymer paste or gel which may contain a second pharmacologically active agent. Methods of making and administering a controlled release compositions for the delivery of a pharmacologically active agent, such as a nucleic acid, in combination with a polycationic polymer and in a pharmaceutically acceptable carrier, to a mammal in a pharmaceutically effective amount.

Compositions and methods for *in vivo* delivery of pharmaceutically active agents associated with hydroxyapatite (HAP).

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